#### BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Form SCLOX

939 Ellis Street . . . San Francisco, CA 94109. . . (415) 749-4990 . . . FAX (415) 749-5030 Website: www.baaqmd.gov

### SOLVENT COLD CLEANER LOSS OF EXEMPTION PERMIT APPLICATION FORM

This form is to be used <u>only</u> for solvent cold cleaners (degreasers) that were in operation and exempt from BAAQMD permit requirements prior to September 1, 1999. For any unit that does not meet these criteria, an applicant must submit a P-101B application form and Data Form SC:

	Information					
(assigned by District) Application No.		(leave blank if unknown) Plant No.				
Business Name	l					
New Plant Ir  If you have not previously been assigned a Plant Number by the District or to the District, please complete the New Plant Information box below.		/ Plant data that yo	ou have previously supplie			
Plant Address (equipment location)						
City		State	Zip			
Mailing Address		·				
City		State	Zip			
Plant Contact						
Title						
Telephone	Fax					
Email Address						
All correspondence regarding this application will be sent to the above plan		n plant contac				
this application.  Application Contact						
Title/Company						
this application.  Application Contact  Title/Company  Mailing Address		ou wish to designa	até a different contact for			
this application.  Application Contact  Title/Company  Mailing Address  City	nt còntact person unless y					
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this application.  Application Contact  Title/Company  Mailing Address  City	nt còntact person unless y	ou wish to designa	até a different contact for			
this application.  Application Contact  Title/Company  Mailing Address  City  Telephone	Fax  Fax  9 is a new source, and	ou wish to designate State  State  ach solvent colors is subject to all	Zip  I cleaner that was in I applicable fees in			
this application.  Application Contact  Title/Company  Mailing Address  City  Telephone  Email Address  FEES: Please include a "Loss of Exemption" Permit to Operate operation and exempt prior to September 1, 1999.  Any solvent cold cleaner installed on or after September 1, 199	Fax  Fax  9 is a new source, and harge, permit to operation in your permit vish to keep certain ite ing steps: nation with the confide	State  State  State  d is subject to all the fee, and retro application will the ms separate as a se	Zip  Zip  I cleaner that was in lapplicable fees in pactive permit fee. pe considered a matter specified in			

Date:

Signature:

## Source Information (complete one table for each cold cleaner)

S-	Description:													
(Source #)											(Date	Install	ed)	
Make				Mod	el#				Solver	t Capa	acity ga	allons		
Operating time:		hour/d	day				day/week				week/ye	ar		
Solvent evapora	ation emissior	ns at this so	urce vent dire	ectly t	o (che	eck one	e):							
Room atmo	osphere			Abater	nent o	device			Exhaus	t stack	<			
Solvent Usag	e Informatio	on—list all s	solvents use	ed at	this s	source	and the <u>max</u>	<u>dimum</u> amo	unt of e	ach (	Attach MSL	OS fo	r ea	ach)
		Solvent	Trade Nan	ne				Material (District			let Usage gal/year)		ensi b/ga	,
1.									•	ì	<del> </del>	,		
2.														
3.														
Solvent Conta	ainer Specif	ications:	Does this s	ource	hav	e a rer	mote solvent r	eservoir? [	Yes		No			
Length:in	Ingth:inches							Freeb	oard I	Ratio:	_			
				Y	es	No		_				Ye.	s	No
Is there a con being cleaned		lvent and	articles				Is the cover use?	closed who	en sour	ce is r	not in			$\Box$
Does cold clear	aner have a		marizing				Are parts dr		that sol	vent i	s returned			
Is a solvent sp				Ī			Is a refrigera		used?					
If so, is spray atomized or shower type?						on used?								
Does the container have a cover?						over used?								
S-	Description:													
(Source #)											(Date	Install	ed)	
Make				Mod	el#				Solver	t Capa	acity ga	allons		
Operating time:		hour/d	day				day/week				week/ye	ar		
Solvent evapora	ation emissior	ns at this so		-			e):	_						
Room atmo	•					device			Exhaus					
Solvent Usag	e Informatio	n–list all s	solvents use	ed at	this s	source	and the <u>max</u>	<u>dimum</u> amo	unt of e	ach (	Attach MSL	OS fo	r ea	ach)
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Solvent Conta	ainer Specif	ications:	Does this s	ource	hav	e a rer	mote solvent r	eservoir? [	Yes		_ No			
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Is there a con being cleaned		lvent and	articles	[			Is the cover use?	closed whe	en sour	ce is r	not in			
Does cold clear District operat			marizing	Γ			Are parts dr	ained such	that sol	vent i	s returned			
Is a solvent sp				Ī			Is a refrigera		used?					
If so, is spray		shower ty	/pe?				Is air agitation							
Does the cont	tainer have a	a cover?					Is a water co	over used?						П

## SOLVENT COLD CLEANER SUPPLEMENTAL EQUIPMENT FORM

This form is to be used only as a supplement to the Solvent Cold Cleaner Loss of Exemption Permit Application Form.

**Source Information** (complete one table for each cold cleaner)

S-	Description:														
(Source #)									1		(Date	nstalle	ed)		
Make	Model #								Solvent Capacity gallons						
Operating time: hour/day day/week week/yea									ar						
Solvent evaporation emissions at this source vent directly to (check one):															
	Room atmosphere Abatement device Exhaust stack														
Solvent Usag	ge Informatio	n–list all	solvents use	ed at	this	source	e and the <u>max</u>								
Solvent Trade Name  Material Code (District use)  Net Usage (gal/year)										De (II					
1.															
2.															
3.															
Solvent Container Specifications: Does this source have a remote solvent r							eservoir? [	Yes		] No					
Length:i	nches Width:inches Freeboard height:						l height:	inches	Freeb	oard I	Ratio:				
				)	/es	No						Yes	s /	Vo	
Is there a container for solvent and articles being cleaned?								ce is ı							
							d such that solvent is returned ner?								
						ated chiller used?									
If so, is spray atomized or shower type?						on used?									
Does the container have a cover?															
S- (Source #)  Description: (Date in															
S- (Source #)	Description:										(Date	nstalle	ed)		
_	Description:			Mod	del#				Solver	nt Capa	•	nstalle	ed)		
(Source #)		hour/	day	Mod	del#		day/week		Solver	nt Cap	•	llons	ed)		
(Source #) Make	:					neck on			Solver	nt Cap	acity ga	llons	ed)		
(Source #)  Make  Operating time	: ration emission		ource vent dir	ectly	to (ch	neck on device			Solver		acity ga	llons	ed)		
(Source #)  Make  Operating time  Solvent evapor  Room atm	: ration emission osphere	ns at this so	ource vent dir	ectly Abate	to (ch	device			Exhaus	t stack	acity gaweek/ye	allons		ch)	
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(Source #)  Make Operating time Solvent evapor Room atm Solvent Usage  1. 2. 3. Solvent Confi	ration emission osphere ge Informatio	ns at this so	solvents use	ectly Abate ed at	to (ch ment this	device source	e and the <u>max</u>	imum amo Material (District	Exhaus ount of e Code tuse)	t stack	acity gaweek/ye  K K KAttach MSL let Usage gal/year)	allons ar OS fo	r ead	/	
(Source #)  Make Operating time Solvent evapor Room atm Solvent Usage  1. 2. 3. Solvent Confi	ration emission osphere ge Information	s at this so on—list all s Solven	solvents use t Trade Nar	ectly Abate ed at ne	to (ch ment this	device source	e and the <u>max</u>	imum amo Material (District	Exhaus ount of e Code use)	t stack	acity gaweek/ye  K K KAttach MSL let Usage gal/year)	allons ar OS fo	r eac	/	
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(Source #)  Make  Operating time Solvent evapor  Room atm Solvent Usage  1.  2.  3.  Solvent Cont Length:in  Is there a corbeing cleaned Does cold cle	tainer Specifinches htainer for sod?	Solven  Grations:  Width:  Ivent and	Does this s	ectly Abate ed at ne	e hav	source source	mote solvent rull height:	imum amo  Material (District eservoir? [ inches closed who	Exhaus ount of e Code use)  Yes Freebo	t stack	week/ye  (Attach MSL  det Usage gal/year)  No  Ratio:	ar  OS fo  (II	r eac	/)	
(Source #)  Make  Operating time Solvent evapor  Room atm Solvent Usage  1.  2.  3.  Solvent Cont Length:in  Is there a corbeing cleaned	ration emission osphere ge Information tainer Specifinches od?	Solven  Grations:  Width:  Ivent and	Does this s	ectly Abate ed at ne	e hav	source source	mote solvent rule height:  Is the cover use?  Are parts drawn.	imum amo  Material (District  esservoir? [ inches  closed whomained such portainer?	Exhaus ount of e Code use)  Yes Freebo	t stack	week/ye  (Attach MSL  det Usage gal/year)  No  Ratio:	ar  OS fo  (II	r eac	/)	
(Source #)  Make  Operating time Solvent evapor Room atm Solvent Usage  1. 2. 3. Solvent Cont Length:in  Is there a corbeing cleaned Does cold cle District opera	tainer Specifinches ntainer for sod? eaner have a ting requiren pray used?	Solven  Cations:  Width:  Ivent and  label summents?	Does this sinches articles	ectly Abate ed at ne	e hav	source source	mote solvent relatively.  I height:  Is the cover use?  Are parts drawn to solvent co	imum amo  Material (District  esservoir? [ inches  closed who ained such ontainer? ated chiller on used?	Exhaus ount of e Code use)  Yes Freebo	t stack	week/ye  (Attach MSL  det Usage gal/year)  No  Ratio:	ar  OS fo  (II	r eac	/)	

## Source Information (complete one table for each cold cleaner)

c	Description:													
S- (Source #)											(Date	Installed)		
Make	•			Mode	el#				Solven	t Capa	,	allons		
Operating time: hour/day							day/week							
Solvent evapor		ns at this so	ource vent dir	ectly to	che (che	ck one			•		Ť			
Room atm	osphere			Abaten	nent d	evice			Exhaust	t stack	(			
Solvent Usag	ge Informatio	on–list all s	solvents use	ed at	this s	ource	and the <u>max</u>	<u>rimum</u> amo	ount of e	ach (	Attach MSL	OS for e	each)	
		Solven	t Trade Nar	ne				Material (Distric			et Usage gal/year)	Den (lb/g	•	
1.														
2.														
3.														
Solvent Cont	tainer Specit	fications:	Does this s	ource	have	e a rer	note solvent r	eservoir?	Yes		No			
	nches	Width:	inches				height:	inches	Freebo	oard F	= Ratio:			
		_	<u> </u>	Ye	es	No		_				Yes	No	
Is there a cor being cleaned		olvent and	articles		7		Is the cover use?	closed wh	en sourc	e is r	not in			
Does cold cleaner have a label summarizing District operating requirements?  Are parts drawn to solvent columns.							that sol	vent i	s returned					
<u>' ' '                                </u>							Is a refrigera		used?			H		
If so, is spray atomized or shower type?														
Does the container have a cover?														
S-	Description:													
(Source #)											(Date	Installed)		
Make				Mode	el#				Solven	t Capa	acity ga	allons		
Operating time	:	hour/	day				day/week				week/ye	ar		
Solvent evapor	ration emissio	ns at this so	ource vent dir	ectly to	che (che	ck one	e):							
Room atm	osphere			Abaten	nent d	evice			Exhaust	t stack	(			
Solvent Usag	ge Informatio	on–list all s	solvents use	ed at	this s	ource	and the <u>max</u>	<u>rimum</u> amo	ount of e	ach (	Attach MSL	DS for e	each)	
		Solven	t Trade Nar	ne				Material (Distric			et Usage gal/year)	Den (lb/g		
1.								,	ŕ	15		•	•	
2.														
3.														
Solvent Cont	tainer Specit	fications:	Does this s	ource	have	e a rer	note solvent r	eservoir?	Yes		☐ No			
Length:i	nches	Width:	inches		Free	board	height:	_inches	Freebo	oard F	Ratio:	<del>_</del>		
				Ye	es	No			•			Yes	No	
Is there a cor being cleaned		olvent and	articles				Is the cover use?	closed wh	en sourc	e is r	not in			
Does cold cle District opera	aner have a		marizing		 ]	<u> </u>	Are parts dra	ained such	that sol	vent i	s returned			
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# Loss of Permit Exemption for Solvent Cold Cleaners Due to Changes to Regulation 8, Rule 16

**Background:** On September 16, 1998, the District amended Regulation 8, Rule 16, Solvent Cleaning Operations. Section 8-16-303.5 was added to impose a 50 gram/liter (g/l) volatile organic compound (VOC) standard for cold cleaners. At the same time, two limited exemptions were added. These sections appear below, and they become effective on September 1, 1999.

- **8-16-303 Cold Cleaner Requirements:** Any person who operates a cold solvent cleaning device shall conform to the following requirements.
  - 303.5 Effective September 1, 1999, the VOC content of the cleaning solution used in a cold cleaner shall not exceed 50 g/l (0.42 lb/gal). Cold cleaners meeting the requirements of this section are not required to comply with subsection 8-16-303.4.
- **8-16-121** Limited Exemption, Single Cold Cleaner: Effective September 1, 1999, the VOC content limitation in Section 8-16-303.5 for cleaning solutions used in cold cleaners does not apply to one cold cleaner per facility, provided that annual solvent loss from that cold cleaner does not exceed 20 gallons per year.
- **8-16-122** Limited Exemption, Permitted Cold Cleaners: Effective September 1, 1999, the VOC content limitation in Section 8-16-303.5 for cleaning solutions used in cold cleaners does not apply to any cold cleaner for which a District permit to operate has been obtained pursuant to Regulation 2, Rule 1.

In summary, these changes to Regulation 8, Rule 16 have the following impacts on existing sources, effective September 1, 1999:

- A facility may operate only one (1) exempt cold cleaner using solvent with a VOC content greater than 50 g/l, provided the solvent loss from that cleaner is not more than 20 gallons per year.
- Any additional cold cleaners must comply with the VOC standard in 8-16-303.5 (50 g/l VOC) in order to remain exempt.
- Any permitted cold cleaner is exempt from the VOC standard in 8-16-303.5, and therefore, may continue to use cleaning solvent with a VOC content greater than 50 g/l.

### When is a Solvent Cold Cleaner Exempt from Permit Requirements?

- If a cold cleaner uses a solvent with a VOC content less than or equal to 50 g/l, it is exempt.
- At each facility (excluding semiconductor fabrication areas), one cold cleaner that uses a solvent with a VOC content greater than 50 g/l may be exempt, provided it meets all of the following criteria:
  - a. Volatile Organic Compounds used which have initial boiling points greater than 302°F and the initial boiling point exceeds the maximum operating temperature by at least 180°F.
  - b. The equipment or container has a capacity of less than 35.1 gallons of liquid; for remote reservoir cold cleaners, capacity is defined as the volume of the remote reservoir.
  - c. The equipment or container has a liquid surface area less than 7 ft<sup>2</sup>; or for remote reservoir cold cleaners, the sink or working area has a horizontal surface area less than 7 ft<sup>2</sup>.
  - d. If solvent flow is used, only a continuous fluid stream is used (not a fine, atomized, or shower type spray).
  - e. Solvent loss (evaporation) from the cold cleaner does not exceed 20 gallons per year.
- All other solvent cold cleaners must be permitted.

**Recommendation:** The District strongly encourages you to *switch each of your cold cleaners to a cleaning solvent with a VOC content less than 50 grams per liter* (0.42 lb/gal). By doing so, you may have as many exempt cold cleaners as necessary for your operational needs. Otherwise, you must obtain a permit for each cold cleaner that is not exempt, as described above, before September 1, 1999. To obtain a permit, you may complete the *Solvent Cold Cleaner Loss of Exemption Permit Application Form*.